

Equivalent of Form PTO/SB/08A (07-05)

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	09/404,597
				Filing Date	September 24, 1999
				First Named Inventor	John Rauser
				Art Unit	2177
				Examiner Name	Luke S. Wassum
Sheet	1	of	1	Attorney Docket Number	2222.0870000

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JW	US1	5,835,087	11-10-1998	Herz <i>et al.</i>	713/810
	US2	5,893,909	04-13-1999	Nomura <i>et al.</i>	707/5
	US3	5,983,214	11-09-1999	Lang <i>et al.</i>	707/1
	US4	6,006,225	12-21-1999	Bowman <i>et al.</i>	707/5
	US5	6,016,475	01-18-2000	Miller <i>et al.</i>	705/1
	US6	6,018,738	01-25-2000	Breese <i>et al.</i>	707/100
	US7	6,049,777	04-11-2000	Sheena <i>et al.</i>	705/10
	US8	6,092,049	07-18-2000	Chislenko <i>et al.</i>	705/10
	US9	6,108,493	08-22-2000	Miller <i>et al.</i>	707/219
	US10	6,112,186	08-29-2000	Bergh <i>et al.</i>	705/10
	US11	6,434,550 B1	08-13-2002	Warner <i>et al.</i>	707/3
	US12	6,636,836 B1	10-21-2003	Pyo	705/26
	US13	2002/0065721 A1	05-30-2002	Lema <i>et al.</i>	705/14
	US14	2002/0199194 A1	12-26-2002	Ali	725/46
	US15	2003/0191737 A1	10-09-2003	Steele <i>et al.</i>	707/1
	US16	2004/0034652 A1	02-19-2004	Hofmann <i>et al.</i>	707/102
	US17	2005/0091245 A1	04-28-2005	Chickering <i>et al.</i>	707/100
	US18	2005/0125307 A1	06-09-2005	Hunt <i>et al.</i>	705/26
		US19			
	US20				

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
JW	FP1	JP 1-169605	07-04-1989	Kamikubo <i>et al.</i>	605B 17/04	
	FP2	JP 11-328266	11-30-1999	Haruna <i>et al.</i>	606F 17/60	
	FP3	JP 11-338879	12-10-1999	Miyamoto <i>et al.</i>	606F 17/30	
	FP4	JP 2000-48046	02-18-2000	Yoshida	606F 17/30	
	FP5	JP 2000-57090	02-25-2000	Motohashi <i>et al.</i>	606F 15/100	
	FP6	WO 98/33135 A1	07-30-1998	Chislenko <i>et al.</i>	606F 17/60	
	FP7	WO 98/40832 A2	09-17-1998	Chislenko <i>et al.</i>	606F 17/30	
	FP8	WO 01/24032 A2	04-05-2001	Rauser <i>et al.</i>	606F 17/100	
	FP9	WO 01/37162 A2	05-25-2001	Bieganski <i>et al.</i>	606F 17/60	

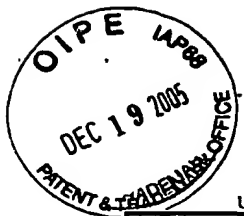
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Examiner Signature	<i>Luke S. Wassum</i>	Date Considered	15 May 2006
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JSR	NPL1	"Agents that Reduce Work and Information Overload," <i>Communications of the ACM</i> , July 1994, Vol. 37, No. 7, pp. 31-40 and 46.	
	NPL2	Balabonovic, M. et al., "Content-Based, Collaborative Recommendation," <i>Communications of the ACM</i> , March 1997, Vol. 40, No. 3, pp. 66-72.	
	NPL3	Basu, C. et al., "Recommendation as Classification: Using Social and Content-Based Information in Recommendation," <i>Proceedings of the Annual 15<sup>th</sup> National Conference on Artificial Intelligence (AAAI-98), 10<sup>th</sup> Conference on Innovative Applications of Artificial Intelligence (IAAI98), Learning About People</i> , 1998, pp. 714-720.	
	NPL4	Belkin, N.J. et al., "Information Filtering and Information Retrieval: Two Sides of the Same Coin?" <i>Communications of the ACM</i> , December 1992, Vol. 35, No. 12, pp. 29-38.	
	NPL5	Berry, M.W. et al., "Using Linear Algebra for Intelligent Information Retrieval," Computer Science Dept., CS-94-270, December 1994, 24 pages.	
	NPL6	Boone, G., "Concept Features in Re: Agent, An Intelligent Email Agent," <i>Autonomous Agents</i> , 1998, pp. 141-148.	
	NPL7	Breese, J.S. et al., "Empirical Analysis of Predictive Algorithms for Collaborative Filtering," Technical Report MSR-TR-98-12, Microsoft Research, Microsoft Corporation, pp. 1-20, May 1998, revised October 1998.	
	NPL8	Cohen, W.W., "Fast Effective Rule Induction," <i>12th Int. Conf. on Machine Learning</i> , July 9-12, 1995, pp 80-89.	
	NPL9	Cohen, W.W., "Learning Rules that Classify E-Mail," in <i>Papers from the AAAI Spring Symposium on Machine Learning in Information Access</i> , pp. 18-25, Stanford, CA, 1996.	
✓	NPL10	Decision Innovations, www.decision-innovations.com, 01/28/1999 [retrieved 02/11/05], pages 1-22, retrieved from: google.com and archive.org.	

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PTO/SB/08B (07-05)

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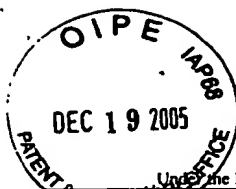
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				Examiner Name	Luke S. Wassum
				Attorney Docket Number	2222.0870000
Sheet	2	of	6		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T <sup>2</sup>
JSW	NPL11	Ferber, F., "IMAGINE: Extracting knowledge from large collections" <http://teefix.fernuni-hagen.de/~ferber/Imagine/> (2 pages-dated May 7, 1998; printed Jan. 3, 2002).	
	NPL12	Ferber, F., "IMAGINE: Interaction merger for associations gained by inspection of numerous exemplars" <http://teefix.fernuni-hagen.de/~ferber/Imagine/Imagine-info-engl.html> (4 pages-dated Dec. 15, 1997; printed Jan. 3, 2002).	
	NPL13	Goldberg, D. et al., "Using Collaborative Filtering to Weave an Information Tapestry," <i>Communications of the ACM</i> , December 1992, Vol. 35, No. 12, pp. 61-70.	
	NPL14	Good, N. et al., "Combining Collaborative Filtering With Personal Agents for Better Recommendations," Dept. of Computer Science and Engineering, Univ. of Minnesota, <i>Proceedings of the AAAI-99</i> , 1999, 8 pages. 18-22 July 1999	
	NPL15	Hao, M. et al. "Visualization of Directed Association in E-Commerce Transaction Data," downloaded from <http://www.hpl.hp.com/techreports/2000/HPL-2000-160.pdf (Hewlett-Packard Company, Dec. 5, 2000, 8 pages including cover page).	
	NPL16	Herlocker, J.L. et al., "An Algorithmic Framework for Performing Collaborative Filtering," Dept. of Computer Science and Engineering, Univ. of Minnesota, <i>Proceedings of the 1999 Conference on Research &amp; Development in Information Retrieval</i> , August 1999, 8 pages.	
	NPL17	Hill, W. et al., "Recommending and Evaluating Choices in a Virtual Community of Use," Computer Graphics and Interactive Media Group Home Page, printed 3/23/2004, 12 pages.	
	NPL18	Houstis, E.N. et al., "PYTHIA-II: A Knowledge/Database System for Managing Performance Data and Recommending Scientific Software," Dept. of Computer Sciences, Purdue Univ., 2000, 24 pages.	
	NPL19	Johnson, M. et al. "Direct E-mail: Winning Long-term Consumer Attention." Jupiter Communications Analyst Report, December 1998, pp. 1-26.	
✓	NPL20	Joshi, A. et al., "Robust Fuzzy Clustering Methods to Support Web Mining," Dept. of Computer Engineering and Computer Science, Univ. of Missouri, 1998, 9 pages.	

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**SUPPLEMENTAL  
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Sheet 3 of 6

Application Number	09/404,597
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	NPL21	Karypis, G., "Evaluation of Item-Based Top-N Recommendation Algorithms," downloaded from < <a href="https://www.cs.umn.edu/tech_reports/listing/tr2000/00-046.pdf">https://www.cs.umn.edu/tech_reports/listing/tr2000/00-046.pdf</a> >, University of Minnesota - Computer Science and Engineering, Technical report #00-046, September 15, 2000, 15 pages including cover page.	
	NPL22	Karypis, G., "SUGGEST Top-N Recommendation Engine, Version 1.0," downloaded from <a href="http://www-users.cs.unm.edu/~karypis/suggest/Files/manual.pdf">http://www-users.cs.unm.edu/~karypis/suggest/Files/manual.pdf</a> , Nov. 7, 2000, 11 pages.	
	NPL23	Kautz, H. et al., "ReferralWeb: Combining Social Networks and Collaborative Filtering," <i>Communications of the ACM</i> , March 1997, Vol. 40, No. 3, 4 pages.	
	NPL24	Konstan, J.A. et al., "Applying Collaborative Filtering to Usenet News," <i>Communications of the ACM</i> , March 1997, Vol. 40, No. 3, pp. 77-87.	
	NPL25	Lieberman, H., "Autonomous Interface Agents," <i>Proceedings of the Conference on Human Factors in Computing Systems</i> , CHI '97, March 1997, pp. 67-74.	
	NPL26	Long, T. et al. "Beyond the Banner - the birth of email marketing," C.E. Unterberg, Towbin Report, pp. 1-72 (no date).	
	NPL27	Maltz, D., "Distributing Information for Collaborative Filtering on Usenet Net News, Master's Thesis, Massachusetts Institute of Technology, May 1994, 78 pages.	
	NPL28	Maltz, D. et al., "Pointing the Way: Active Collaborative Filtering," <i>Proceedings of CHI '95</i> , Denver, Colorado, 1995, 8 pages.	
	NPL29	McJones, P. and DeTreville, J., "Each to Each Programmer's Reference Manual," SRC Technical Note, 1997-023, October 1, 1997, Systems Research Center, Palo Alto, CA, 16 pages.	
	NPL30	Meyer, C.D., <i>Matrix Analysis and Applied Linear Algebra</i> , Society for Industrial and Applied Mathematics, 2000, copy of entire book submitted.	

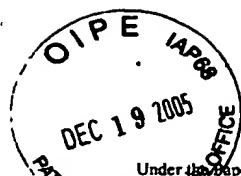
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ASW	NPL31	Miller, B.N. et al., "Experiences with GroupLens: Making Usenet Useful Again," USENIX Association, 1997 Annual Technical Conference, pp. 219-233.	
	NPL32	"Movie critic" Internet address: <a href="http://www.moviecritic.com/faq.html">http://www.moviecritic.com/faq.html</a> , May 8, 2000, 6 pages.	
	NPL33	Nasraoui, O. et al, "Mining Web Access Logs Using Relational Competitive Fuzzy Clustering," Computer Engineering and Computer Science, Univ. of Missouri, 1999, 5 pages.	
	NPL34	Net Perception, Inc., <a href="http://www.netperceptions.com">www.netperceptions.com</a> , 01/18/1997 [retrieved 02/11/05], pages 1-31, retrieved from: <a href="http://google.com">google.com</a> and <a href="http://archive.org">archive.org</a> .	
	NPL35	"Net Perceptions Launches Comprehensive Hosted Marketing Service for eRetailers," Net Perceptions press release dated July 12, 2000 < <a href="http://biz.yahoo.com/bw/000712/mn_netper.html">http://biz.yahoo.com/bw/000712/mn_netper.html</a> > (3 pages-dated July 12, 2000; printed July 12, 2000).	
	NPL36	O'Harrow Jr., R., "Private or Not?" Washington Post, May 17, 2000; G22 < <a href="http://www.washingtonpost.com/">http://www.washingtonpost.com/</a> > (4 pages-dated May 17, 2000; printed June 13, 2000).	
	NPL37	ProQuest, "GroupLens focuses on customers," InfoWorld, San Mateo, March 9, 1998, Vol. 20, Issue 10, 3 pages.	
	NPL38	ProQuest, "Net Perceptions Celebrates New Triumphs at Internet World Spring: GroupLens 3.0 Debuts, N2K's Music Boulevard Goes Live," Business Wire, New York, March 5, 1998, 2 pages.	
	NPL39	Resnick, P. et al., "GroupLens: An Open Architecture for Collaborative Filtering of Netnews," MIT Center for Coordination Science, Cambridge, MA, <i>Proceedings of the 1994 Computer Supported Collaborative Work Conference</i> , 1994, pages 175-186.	
	NPL40	Resnick, P. et al. "Recommender Systems," <i>Communications of the ACM</i> , Vol. 40, No. 3, March 1997, pp. 56-58.	

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<i>JRW</i>	NPL41	Rocha, L.M., "Adaptive Recommendation and Open-Ended Semiosis," <i>Kybernetes</i> , 2001, Vol. 30, No. 5-6, pp. 821-851	
	NPL42	Salton, G. and Buckley, C., "Term-Weighting Approaches in Automatic Text Retrieval," Dept. of Computer Science, Cornell University, Ithaca, NY, Information Processing & Management, 1988, Vol. 24, No. 5, pp. 513-523.	
	NPL43	Sarwar, B.M. et al., "Item-based Collaborative Filtering Recommendation Algorithms," Dept. of Computer Science and Engineering, Univ. of Minnesota, Minneapolis, MN,, Appears in WWW10, May 1-5, 2001, Hong Kong, 15 pages.	
	NPL44	Sarwar et al., "Using Filtering Agents to Improve Prediction Quality in the GroupLens Research Collaborative Filtering System," Dept. of Computer Science and Engineering, Univ. of Minnesota, Minneapolis, MN, 1998, pp. 345-354. <i>14-18 November 1998</i>	
	NPL45	Schafer, J.B. et al. "Recommender Systems in E-Commerce," Proceedings of the ACM Conference on Electronic Commerce, November 3-5, 1999, pp. 158-166.	
	NPL46	Shardanand, U. and Maes, P. "Social Information Filtering: Algorithms for Automating 'Word of Mouth'," MIT Media-Lab, Cambridge, MA, <i>Proceedings of the ACM CHI '95</i> , 1995, pp. 210-217.	
	NPL47	Stellin, S., "Internet Companies Learn How to Personalize Service," N.Y. Times, Aug. 28, 2000 < <a href="http://www.nytimes.com/library/tech/00/08/cyber/commerce/28commerce.html">http://www.nytimes.com/library/tech/00/08/cyber/commerce/28commerce.html</a> > (5 pages-dated Aug. 28, 2000; printed Aug. 28, 2000).	
	NPL48	Swets, J., "Measuring the Accuracy of Diagnostic Systems," <i>Science</i> , June 1988, Vol. 240, pp. 1285-1293.	
<i>✓</i>	NPL49	Terveen, L. et al., "Phoaks: A System for Sharing Recommendations," <i>Communications of the ACM</i> , March 1997, Vol. 40, No. 3, pp. 59-62.	
	NPL50	<del>U.S. Provisional Application No. 60/155,437, filed September 23, 1999, 18 pages.</del>	

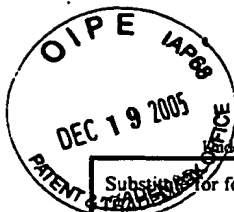
Examiner Signature <i>Luke S. Wassum</i>	Date Considered <i>15 May 2006</i>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/404,597
				Filing Date	September 24, 1999
				First Named Inventor	John Rauser
				Art Unit	2177
				Examiner Name	Luke S. Wassum
Sheet	6	of	6	Attorney Docket Number	2222.0870000

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T <sup>2</sup>
	NPL51	van Lint, J.H. & Wilson, R.M., <i>A Course in Combinatorics</i> , Second Edition, Cambridge University Press, 2001, entire book submitted.	
JSW	NPL52	www.amazon.com - Shows user recommendations, as archived November 9, 2000, 2 pages.	
JSW	NPL53	www.moviecritic.com - Internet website, as archived February 18, 1999, 1 page.	
	NPL54		
	NPL55		
	NPL56		
	NPL54		
	NPL58		
	NPL59		
	NPL60		

Examiner Signature	<i>Luke S. Wassum</i>	Date Considered	15 May 2006
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